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**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**NATIONAL PHOTOGRAPHIC
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**NEWLY IDENTIFIED INSTALLATIONS,
HEILUNGKIANG PROVINCE, CHINA**

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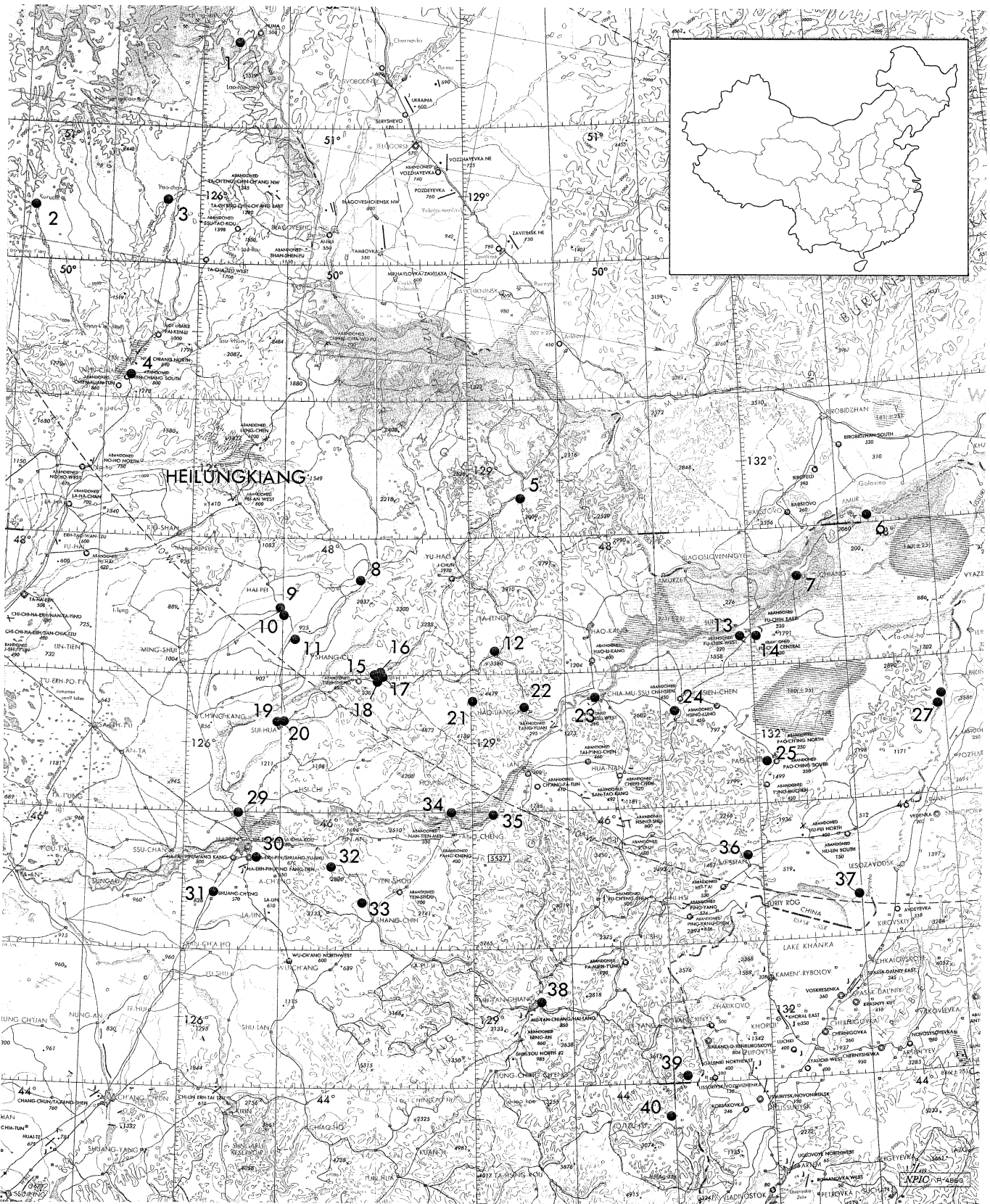


FIGURE 1. LOCATION MAP (Numbers keyed to Table 1).

NEWLY IDENTIFIED INSTALLATIONS HEILUNGKIANG PROVINCE, CHINA

1. Forty newly identified installations were observed in Heilungkiang Province, on photography [redacted] Approximately 90 percent of the province was covered by cloud-free photography.

2. Included in the total of 40 non-military installations are two aluminum plants, three small iron plants, four chemical fertilizer plants, and 20 electric power stations.

3. Most of the known industries were operating at a high level of production as evidenced by the raw

materials and finished products in open storage within the installations. Smoke was emitting from most of the heat processing industries. The POL-related facilities appeared active with many POL tank cars observed within the refineries. The mining and forestry operations appeared normal. Many of the railyards were occupied by gondola cars and flat cars loaded with materials and equipment.

NPIC/IEG/EGD/NECB Project 120204NQ

TABLE 1. NEWLY IDENTIFIED INSTALLATION, HEILUNGKIANG PROVINCE, CHINA
(Item numbers keyed to Figure 1)

Item	Installation	Geographic Coordinates	Description
1	Hu-ma Thermal Powerplant SW	51-35-50N 126-18-15E	15.2 nm southwest of Hu-ma. The facility consists of a boilerhouse with an attached generator hall, five support bldgs, and three cooling towers ucon.
2	Ku-erh-chi HF Communications Facility	50-25-40N 124-07-40E	On the north edge of Ku-erh-chi. The facility consists of a horizontal dipole antenna with a tuning bldg and a ground plane system. A nearby compound contains a prob control bldg, a heat plant, and five support bldgs.
3	Wo-li-kou-tzu Thermal Powerplant N	50-21-50N 125-39-40E	5.8 nm NNW of Wo-li-kou-tzu. The facility consists of a boilerhouse with a generator hall, a waste gas stack, a spray pond ucon, and seven small support bldgs. A second small powerplant, probably associated with mining, is to the north.
4	Nen-chiang Thermal Powerplant	49-10-15N 125-14-20E	Near the east edge of Nen-chiang. The facility consists of a boilerhouse with a generator hall, a waste gas stack, a cooling pond, a coal pile, and four support bldgs.
5	Hung-hsing Thermal Powerplant	48-16-22N 129-30-50E	On the NE edge of Hung-hsing. The facility consists of a large boilerhouse with a generator hall, two cooling towers, a transformer yard, and at least three support bldgs.
6	Chin-te-li Thermal Powerplant	48-05-05N 133-17-25E	At Chin-te-li on the bank of the Amur River. The facility consists of a boilerhouse with a generator hall, a waste gas stack, a spray pond, three support bldgs, and a poss small coal-storage area. A power line extends from the plant to the town.
7	Tung-chiang Thermal Powerplant	47-39-32N 132-30-00E	On the NNW edge of Tung-chiang. The facility consists of a boilerhouse with a generator hall, two waste gas stacks, a spray pond, a sub-station, six support bldgs, and a coal-storage area.
8	Chang-chia-wan Thermal Powerplant NE	47-45-15N 127-54-30E	13.8 nm NE of Chang-chia-wan. The facility consists of a small boilerhouse with a generator hall, a waste gas stack, a spray pond, and five support bldgs.
9	Hai-lun Iron Plant	47-28-30N 126-59-28E	On the NE edge of Hai-lun. The facility consists of a raw materials receiving and storage bldg, a blast furnace, three hot stoves, a dust catcher, a waste gas stack, a spray pond, a casting bldg, and eight support bldgs.
10	Hai-lun Chemical Fertilizer Plant	47-28-12N 126-58-05E	1 nm north of Hai-lun. The facility consists of a powerplant, a retort bldg, a nitric acid bldg, a prilling tower, an ammonia synthesis bldg, a wet gasometer, four prob barracks, an admin bldg, and four support bldgs.
11	Hsing-nung-chen Thermal Powerplant Central	47-14-40N 127-06-20E	In the center of Hsing-nung-chen. The facility consists of two small prob boilerhouses, a generator hall, a spray pond, a waste gas stack, and five support bldgs.
12	Nan-cha Thermal Powerplant	47-06-20N 129-15-20E	On the NW edge of Nan-cha. The facility consists of a large boilerhouse with a generator hall, a cooling tower, a waste gas stack, a coal-storage area, and at least six support bldgs.
13	Sui-pin Thermal Powerplant	47-17-00N 131-51-15E	In central Sui-pin. The facility consists of a boilerhouse with a generator hall, a waste gas stack, a spray pond, three support bldgs.
14	Fu-chin Thermal Powerplant	47-15-10N 131-01-05E	In east-central Fu-chin. The facility consists of a boilerhouse with a generator hall and two shed-roofed wings, two spray ponds, a waste gas stack, and three support bldgs.
15	Tieh-li Thermal Powerplant	46-59-00N 128-04-45E	On the NE edge of Tieh-li. The facility consists of a prob combination boilerhouse/generator hall, a cooling tower, a spray pond, and five support bldgs. The plant is collocated with Tieh-li Pulp and Paper Plant [redacted]
16	Tieh-li Thermal Powerplant East	46-58-45N 128-03-50E	On the east edge of Tieh-li. The facility consists of a boilerhouse with a generator hall, a cooling tower, a waste gas stack, a poss coal-storage area, and at least one support bldg.
17	Tieh-li Iron Plant	46-59-30N 128-03-25E	North of Tieh-li. The facility consists of a blast furnace with a casting shed, a prob dust catcher, three hot stoves, a waste gas stack, a raw materials receiving and storage bldg, a prob warehouse, and three support bldgs.
18	Tieh-li Prob Thermal Powerplant West	46-58-40N 128-01-00E	On the west edge of Tieh-li. The facility consists of a prob boilerhouse with a generator hall, a cooling pond, a waste gas stack, a prob coal-storage area, and at least two support bldgs.
19	Sui-hua Probable HF/DF Facility	46-38-45N 126-58-20E	2.4 nm NNW of Sui-hua. The facility consists of an operational area and a support area. The operational area contains a [redacted] wall enclosing a central control bldg, approx 40 excavations (possibly for antennas), and a poss ground plane system. The support area, 609 meters (2,000 feet) to the south, contains a barracks/admin bldg, a messhall, two support bldgs, and a horizontal dipole antenna.
20	Sui-hua Chemical Fertilizer Plant	46-38-11N 127-00-11E	On the north edge of Sui-hua. The facility consists of a powerplant, a retort bldg, an ammonia synthesis bldg, a nitric acid bldg, a prilling tower, a bagging bldg, a raw materials receiving bldg, a storage bldg, seven support bldgs, a gasometer, a prob gasometer, and a cooling pond.
21	Ta-ting-chuan Unidentified Ground-Clearing Activity	46-46-30N 129-00-00E	8.8 nm north of Ta-ting-chuan. The activity consists of seven cleared swaths emanating from a hilltop at irregular intervals. No bldgs were on the hilltop. Although the activity is within a large lumbering area, the cleared swaths are not indicative of known lumbering techniques.
22	Chia-mu-su Aluminum Plant	46-48-20N 130-17-10E	3.5 nm east of Chia-mu-su. The facility consists of two pot rooms, a rectifier section, an electrical substation, a warehouse, a heatplant, and six support bldgs.
23	Hao-liang-ho Chemical Fertilizer Plant	46-43-58N 129-37-15E	On the west edge of Hao-liang-ho. The facility consists of a powerplant/steampant, a raw materials receiving bldg, a retort bldg, an ammonia synthesis bldg, a prilling tower, a nitric acid bldg (with two vertical acid-storage tanks and four horizontal liquid-storage tanks), two packaging bldgs, a processing bldg, two large buried tanks, a wet gasometer, a coal-receiving area with an overhead gantry crane ucon, and approx 20 support bldgs.
24	Chi-hsien Iron Plant	46-42-25N 131-08-40E	7.3 nm SSW of Chi-hsien. The plant consists of three blast furnaces with casting sheds, nine hot stoves, three dust catchers, two raw materials receiving and storage bldgs, three skip hoists, a spray pond, a prob water tank, two waste gas stacks, 17 support bldgs (two with stacks) and a bldg ucon.
25	Pao-ching Thermal Powerplant West	46-18-18N 132-04-45E	5.3 nm WSW of Pao-ching. The facility consists of a large boilerhouse with a generator hall, two waste gas stacks, two spray ponds, four support bldgs (one with a waste gas stack), and a coal-storage area.
26	Jao-ho Probable Thermal Powerplant	46-47-45N 134-02-00E	On the SE edge of Jao-ho. The facility consists of a prob boilerhouse, a waste gas stack, and a coal-storage area.
27	Jao-ho AM Broadcasting Station	46-47-45N 134-01-00E	On the west edge of Jao-ho. The facility consists of two vertical radiators and a control bldg.
28	Nao-pao-tu Regional POL Storage	45-55-30N 124-35-40E	14.4 nm SSE of Nao-pao-tu. The facility consists of eight large PUG storage tanks, six large storage tanks ucon, five support bldgs, a bldg ucon, and six prob construction support bldgs. A partially covered trench extends from the tanks ucon to the completed tanks. A rail siding was ucon 800 meters (2,625 feet) to the southwest.
29	Hu-lan Chemical Fertilizer Plant	45-59-10N 126-37-55E	1.2 nm ENE of Hu-lan. The facility consists of a powerplant, a retort bldg, an ammonia synthesis bldg, a nitric acid bldg, a prilling tower, a prob raw materials receiving bldg, a wet gasometer, four barracks, and nine support bldgs. The plant is served by a dead-end rail spur.
30	Ha-erh-pin Heavy Fabrication Plant East	45-42-38N 126-43-10E	On the ESE edge of Ha-erh-pin. The facility consists of three assembly bldgs, five fabrication bldgs, a powerplant, a steampant with four small vertical tanks, a high-bay industrial-type bldg, two prob storage bldgs, a water tower, 19 support bldgs, an admin bldg, and a bldg ucon.
31	Shuang-cheng Chemical Processing Plant	45-24-12N 126-16-35E	3 nm NNW of Shuang-cheng. The road- and rail-served facility consists of two chemical processing bldgs, three processing bldgs, a powerplant, a prob absorber, a dust catcher, three medium and four small acid-storage tanks, a water tower, a storage bldg, six support bldgs, and an admin bldg.
32	Pa-li-chuan Unidentified Activity	45-33-30N 127-35-15E	8.8 nm NNE of Pa-li-chuan. The activity consists of numerous cleared areas and 13 bldgs dispersed through a valley. The activity is road-served and may be partially wall-secured.
33	Shang-chih MF Communications Facility NNW	45-20-00N 127-52-00E	8.5 nm NNW of Shang-chih. The facility consists of an antenna field containing two MF vertical radiators (each with a tuning bldg), an antenna field containing four MF vertical radiators (two with tuning bldgs), an operations area containing seven bldgs, and a housing/support area containing approx 12 bldgs.
34	Tung-ho Thermal Powerplant	45-58-10N 128-45-15E	In Tung-ho. The facility consists of a boilerhouse with a generator hall, two waste gas stacks, a prob coal-storage area, and four support bldgs.
35	Hsiao-lo-mi Thermal Powerplant	45-59-55N 129-14-45E	In Hsiao-lo-mi. The facility consists of a boilerhouse and a generator hall, a waste gas stack, a coal-treatment bldg, and three storage/support bldgs.
36	Mi-shan MF Broadcast Facility North	45-38-32N 131-52-50E	6 nm north of Mi-shan. The facility consists of a medium-frequency vertical radiator with a tuning bldg, a control bldg, and a support bldg.
37	Huang-kang Thermal Powerplant North	45-18-12N 132-56-40E	8.6 nm NNW of Huang-kang. The facility consists of a boilerhouse with a generator hall, a waste gas stack, a coal-storage area, and a support bldg.
38	Mu-tan-chiang Aluminum Plant	44-37-00N 129-38-30E	2 nm NE of Mu-tan-chiang. The small road-served plant contains two pot rooms, a prob rectifier section, a steampant, four storage bldgs, five support bldgs, and a poss admin bldg.
39	Tung-ning Thermal Powerplant	44-03-50N 121-06-20E	On the west edge of Tung-ning. The road-served facility consists of a boilerhouse and generator hall, a waste gas stack, and eight support bldgs.
40	Lao-hei-shan-pen-tsun Unidentified Installation	43-45-40N 130-52-20E	1.5 nm north of Lao-hei-shan-pen-tsun. The road-served installation consists of three areas. Area A contains two poss barracks, two support bldgs, and two small dome-shaped structures. Area B contains four poss barracks, two storage/support bldgs (one partially reverted), and two small dome-shaped structures. Area C contains a poss admin bldg, a poss barracks, 11 storage/support bldgs, and a small dome-shaped structure. The small dome-shaped structures appear to be concrete and may be personnel shelters.

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